

ROTATING DISPLAY SYSTEM

Abstract of the Disclosure

A pixel-based display utilizes persistence-of-vision to sweep text and graphics in a cylindrical plane, including time and date, custom messages and animations. The display
5 is generated from a light array with a column of modulated light emitting elements, which is mounted on a rotating display assembly. Power and data are combined on a fixed control assembly and inductively coupled to the display assembly. A control assembly processor interprets a display application language that describes display-specific tasks to generate command, mode, character and graphic data for the display assembly. The
10 control assembly processor also reads a trigger position sensor and adds a trigger delay to generate a virtual trigger command, which provides for flexible display positioning and scrolling display effects.

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